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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/782,594	02/12/2001	John R. Bianchi	RTI- 112R	9490
7590 09/27/2005			EXAMINER	
DONALD J. POCHOPIEN McANDREWS, HELD & MALLOY, LTD. CITICORP CENTER, 34TH FLOOR 500 WEST MADISON STREET CHICAGO, IL 60661			PREBILIC, PAUL B	
			ART UNIT	PAPER NUMBER
			3738	
DATE MAILED: 09/27/2005				

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/782,594

Applicant(s)

BIANCHI ET AL.

Examiner

Paul B. Prebilic

Art Unit

3738

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 19 July 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 26-34, 61 and 62 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 26-34, 61 and 62 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                   | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

Art Unit: 3738

***Double Patenting***

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 26-34 and 60-61 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 79 of copending Application No. 09/941,154. Although the conflicting claims are not identical, they are not patentably distinct from each other because the copending claim 79 is read on by what is set forth in the claims of this application such claim 79 would be "anticipated" thereby. For this reason, the claims are considered obvious in view of claim 79; see *In re Goodman, supra*.

***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent

Art Unit: 3738

granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 26-34 are rejected under 35 U.S.C. 102(b) as being anticipated by Ellis (US 5,147,367). Ellis anticipates the claim language where the bone pieces or bone portions as claimed are the bone portions of the same patient grafted onto the bones they were separated from to form a graft in Ellis; see the figures, the abstract and column 5, lines 12-56. "Graft" is denoted as "anything inserted into something else so as to become an integral part of the latter"; Stedman's Medical Dictionary, 23<sup>rd</sup> Edition, p. 599. For this reason, the separated bone pieces are grafts when this term is given its broadest reasonable interpretation.

With regard to claim 27, the breaks or separations are in cortical bone because cortical bone is on the outside of bone as is visible in the drawings. The pins used are inherently press-fitted into the holes formed because they are held there by a friction tight fit. Without this type of fit, they would not function properly.

With regard to claims 28 and 32, the pins of Ellis are cortical bone pins because they are for cortical bone the same way a "bone screw" is for bone even though it can be made of a metal.

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

Art Unit: 3738

invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 61 and 62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ellis (US 5,147,367). Ellis discloses using "any number of pins or screws" to secure the bone portions together but not the use of "four" pins as claimed. However, the use of "four" pins would have been considered *prima facie* obvious to an ordinary artisan since Ellis clearly discloses that any number can be used to secure the bone pieces together; see MPEP 2144.04 (VI) (B) that is incorporated herein by reference thereto.

Claims 26, 27, 31-34, and 61-62 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ochoa et al (US 5,716,358) in view of Ellis (US 5,147,367). Ochoa discloses bone portions or pieces grafted back onto bones they were separated from but fails to clearly disclose the use of a plurality of pins as now claimed; see Figures 4 and 5 as well as column 6, line 57 to column 8, line 47. However, Ellis teaches that it was known to use a plurality of pins to attach bone pieces together; see *supra*. Therefore, it is the Examiner's position that it would have been obvious to use a plurality of pins in the Ochoa invention in order to better secure the pieces together and for the same reasons that Ellis uses the same.

### ***Response to Arguments***

Applicants' arguments filed July 19, 2005 have been fully considered but they are not persuasive in all cases.

Applicants argued that the present claims have an effective filing date of parent application 08/920,630 filed August 27, 1997. Due the persuasive arguments and the

Art Unit: 3738

amendment to the claims, the Examiner was convinced that the Applicants are correct.

The effective filing date of all the claims is considered to be August 27, 1997.

In traversing the prior art rejections, Applicants argue that a "graft" requires that the material used is from a "different site or source." However, the Examiner maintains that the broader definition applied is appropriate because there is no special definition for this term in the specification and because the broader definition is the broadest reasonable one available.

Furthermore, the argument that the material of a graft is from a "different site or source" is not based upon the structure of the device, but rather, it is based upon the source of the material. Since the source of the material is not limiting in the context of the present claims, the argument is considered wholly unpersuasive.

### ***Conclusion***

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action due to the presentation of new claims 61 and 62. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the

Art Unit: 3738

shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.


Applicant should specifically point out the support for any amendments made to the disclosure, including the claims (MPEP 714.02 and 2163.06). Due to the procedure outlined in MPEP 2163.06 for interpreting claims, it is noted that other art may be applicable under 35 USC 102 or 35 USC 103(a) once the aforementioned issue(s) is/are addressed.

Applicant is respectfully requested to provide a list of all copending applications that set forth similar subject matter to the present claims. A copy of such copending claims is respectfully requested in response to this Office action if the application is not stored in image format (i.e. the IFW system) or published.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Examiner Paul B. Prebilic whose telephone number is (571) 272-4758. He can normally be reached on 6:30-5:00 M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, McDermott Corrine can be reached on 571-272-4754. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
Paul Prebilic  
Primary Examiner  
Art Unit 3738